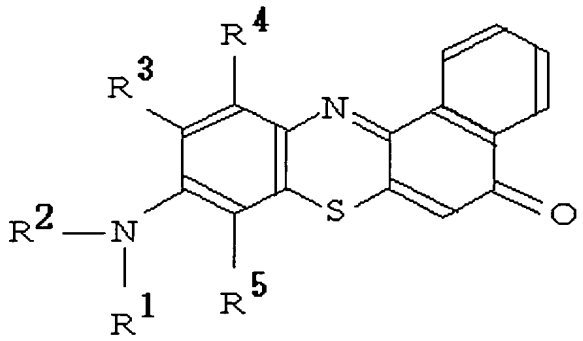
AMENDMENTS TO THE CLAIMS, COMPLETE LISTING OF CLAIMS IN ASCENDING ORDER WITH STATUS INDICATOR

Please amend the claims as follows.

Claims 1-5 (Canceled).

6. (Currently Amended) A Nile red luminescent compound emitting red light that has a structure represented by formula (10):



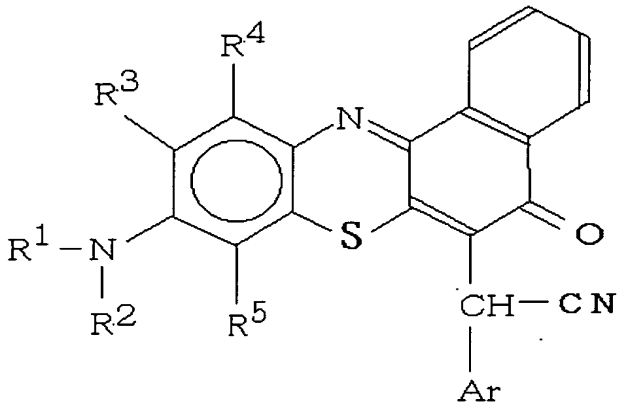
. . . (10)

wherein R^1 ~~is hydrogen atom or an alkyl group, or~~ forms $-CH_2CH_2-CR^6R^7-$ together with R^3 (wherein the carbon atom of $-CR^6R^7-$ moiety is bound to the benzene moiety of the formula (10), each of R^6 and R^7 is hydrogen atom or an alkyl group, and R^6 and R^7 may be the same or different from each other); R^2 ~~is hydrogen atom or an alkyl group, or~~ forms $-CH_2CH_2-CR^8R^9-$ together with R^5 (wherein the carbon atom of $-CR^8R^9-$ moiety is bound to the benzene moiety of the formula (10), each of R^8 and R^9 is hydrogen atom or an alkyl group, and R^8 and R^9 may be the same or different from each other); R^3 ~~is hydrogen atom,~~ forms $-CH_2CH_2-CR^6R^7-$ with R^1, or forms with R^4 a naphthalene ring including as a part thereof the benzene moiety of the formula (10); R^4 ~~is hydrogen atom, or~~ forms with R^3 a naphthalene ring including as a part thereof the benzene moiety of the formula (10); and R^5 ~~is hydrogen atom, or~~ forms $-CH_2CH_2-CR^8R^9-$ with ~~R^2, wherein at least one of R^1 and R^2 is not ethyl group, or at least one of R^3, R^4 and R^5 is not a hydrogen atom~~.

7. (Canceled).

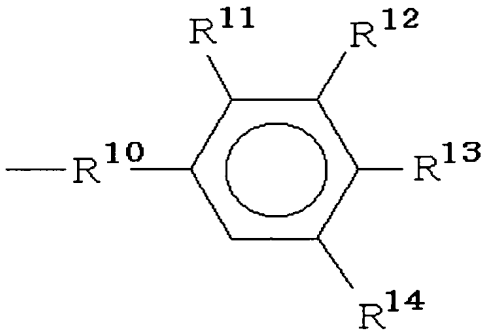
8. (Previously Presented) A process of producing the Nile red luminescent compound according to claim 6 comprising reacting 1-naphthol with a 4-nitrosoaniline, the amino group of which is bonded with substituents R^1 and R^2, wherein each of R^1 and R^2 is hydrogen atom or an alkyl group, and R^1 and R^2 may be the same or different from each other, to produce an intermediate; and reacting the intermediate with sulfur.

9. (Previously Presented) A Nile red luminescent compound emitting red light that has a structure represented by formula (11):



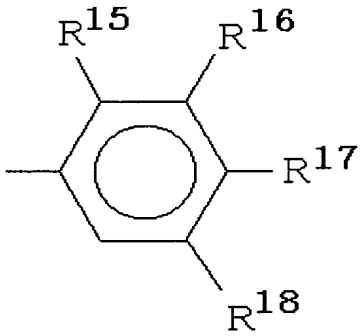
... (11)

wherein R^1 is hydrogen atom or an alkyl group, or forms $-CH_2CH_2-CR^6R^7-$ together with R^3 (wherein the carbon atom of $-CR^6R^7-$ moiety is bound to the benzene moiety of the formula (11), each of R^6 and R^7 is hydrogen atom or an alkyl group, and R^6 and R^7 may be the same or different from each other); R^2 is hydrogen atom or an alkyl group, or forms $-CH_2CH_2-CR^8R^9-$ together with R^5 (wherein the carbon atom of $-CR^8R^9-$ moiety is bound to the benzene moiety of the formula (11), each of R^8 and R^9 is hydrogen atom or an alkyl group, and R^8 and R^9 may be the same or different from each other); R^3 is hydrogen atom, forms $-CH_2CH_2-CR^6R^7-$ with R^1, or forms with R^4 a naphthalene ring including as a part thereof the benzene moiety of the formula (11); R^4 is hydrogen atom, or forms with R^3 a naphthalene ring including as a part thereof the benzene moiety of the formula (11); R^5 is hydrogen atom, or forms $-CH_2CH_2-CR^8R^9-$ with R^2; and Ar means one of formulae (4), (6) and (7):



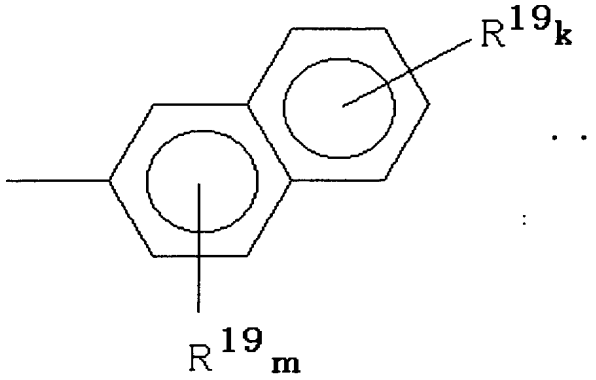
. . . . (4)

wherein R^{10} is a single chemical bond or methylene group; R^{11} is hydrogen atom, or forms $-CF_2-O-CF_2-$ with R^{12}; R^{12} is fluorine atom, cyano group or a lower alkyl having 1-5 carbon atoms and at least one fluorine atom, forms $-CF_2-O-CF_2-$ with R^{11}, or forms $-CF_2-O-CF_2-$ with R^{13}; R^{13} is hydrogen atom, cyano group, fluorine atom or a lower alkyl having 1-5 carbon atoms and at least one fluorine atom, forms $-CF_2-O-CF_2-$ with R^{12}, or is a group represented by formula (5); and R^{14} is hydrogen atom or a lower alkyl having 1-5 carbon atoms and at least one fluorine atom when R^{13} is hydrogen atom, and R^{14} is hydrogen atom when R^{13} is not hydrogen atom,



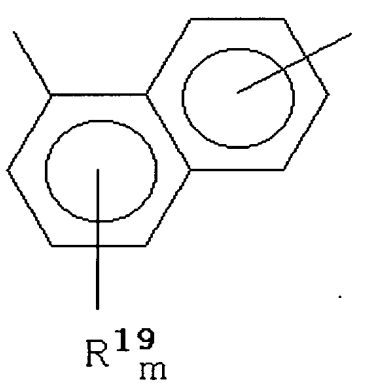
. . . . (5)

wherein R^{15} is hydrogen atom, or forms $-CF_2-O-CF_2-$ with R^{16}; R^{16} is fluorine atom, cyano group or a lower alkyl having 1-5 carbon atoms and at least one fluorine atom, forms $-CF_2-O-CF_2-$ with R^{15}, or forms $-CF_2-O-CF_2-$ with R^{17}; R^{17} is hydrogen atom, cyano group, fluorine atom or a lower alkyl having 1-5 carbon atoms and at least one fluorine atom, or forms $-CF_2-O-CF_2-$ with R^{16}; and R^{18} is hydrogen atom or a lower alkyl having 1-5 carbon atoms and at least one fluorine atom when R^{17} is hydrogen atom, and R^{18} is hydrogen atom when R^{17} is not hydrogen atom,



. . . . (6)

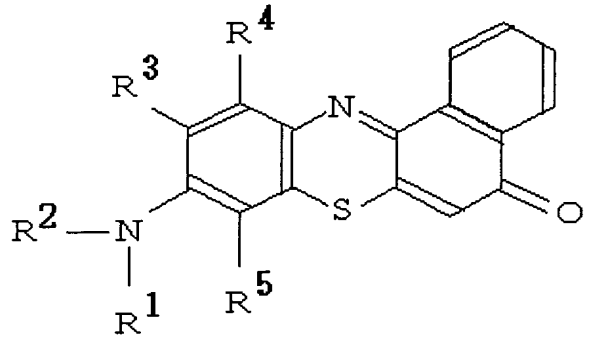
wherein R^{19} is fluorine atom, cyano group, or a lower alkyl having 1-5 carbon atoms and at least one fluorine atom; k is an integer of 1-4, m is an integer of 1-3, and all of the R^{19} groups may be the same or different from each other,



. . . . (7)

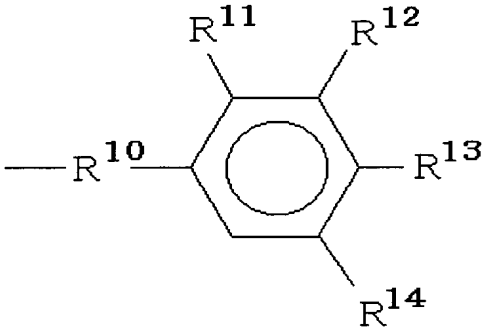
wherein R^{19} is fluorine atom, cyano group, or a lower alkyl having 1-5 carbon atoms and at least one fluorine atom; k is an integer of 1-4, m is an integer of 1-3, and all of the R^{19} groups may be the same or different from each other.

10. (Previously Presented) A process of producing the Nile red luminescent compound emitting red light according to claim 9 comprising reacting the Nile red luminescent compound emitting red light represented by the formula (10):



. . . (10)

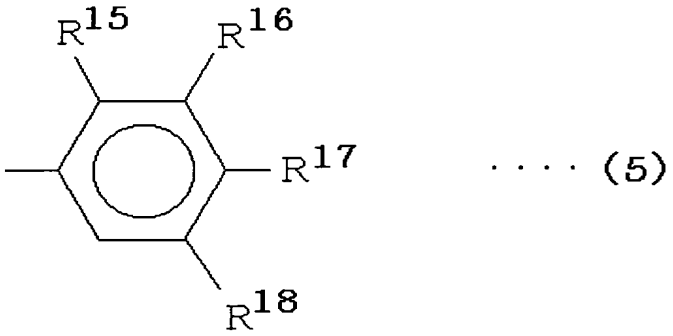
wherein R^1 is hydrogen atom or an alkyl group, or forms $-CH_2CH_2-CR^6R^7-$ together with R^3 (wherein the carbon atom of $-CR^6R^7-$ moiety is bound to the benzene moiety of the formula (10), each of R^6 and R^7 is hydrogen atom or an alkyl group, and R^6 and R^7 may be the same or different from each other); R^2 is hydrogen atom or an alkyl group, or forms $-CH_2CH_2-CR^8R^9-$ together with R^5 (wherein the carbon atom of $-CR^8R^9-$ moiety is bound to the benzene moiety of the formula (10), each of R^8 and R^9 is hydrogen atom or an alkyl group, and R^8 and R^9 may be the same or different from each other); R^3 is hydrogen atom, forms $-CH_2CH_2-CR^6R^7-$ with R^1, or forms with R^4 a naphthalene ring including as a part thereof the benzene moiety of the formula (10); R^4 is hydrogen atom, or forms with R^3 a naphthalene ring including as a part thereof the benzene moiety of the formula (10); and R^5 is hydrogen atom, or forms $-CH_2CH_2-CR^8R^9-$ with R^2, with an electron attractive aromatic acetonitrile represented by the formula $NC-CH_2-Ar$, wherein Ar means one of formulae (4), (6) and (7):



. . . . (4)

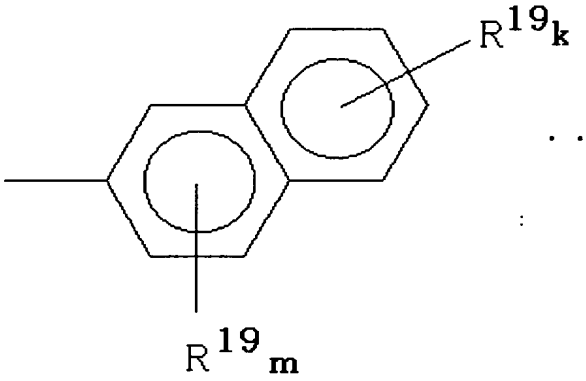
wherein R^{10} is a single chemical bond or methylene group; R^{11} is hydrogen atom, or forms $-CF_2-O-CF_2-$ with R^{12}; R^{12} is fluorine atom, cyano group or a lower alkyl having 1-5 carbon atoms and at least one fluorine atom, forms $-CF_2-O-CF_2-$ with R^{11}, or forms $-CF_2-O-CF_2-$ with R^{13}; R^{13} is hydrogen atom, cyano group, fluorine atom or a lower alkyl having 1-5 carbon atoms and at

least one fluorine atom, forms $-CF_2-O-CF_2-$ with R^{12}, or is a group represented by formula (5); and R^{14} is hydrogen atom or a lower alkyl having 1-5 carbon atoms and at least one fluorine atom when R^{13} is hydrogen atom, and R^{14} is hydrogen atom when R^{13} is not hydrogen atom,



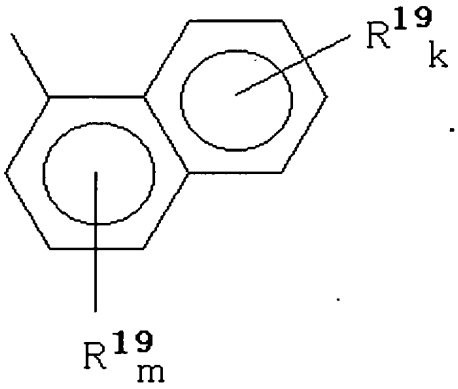
.... (5)

wherein R^{15} is hydrogen atom, or forms $-CF_2-O-CF_2-$ with R^{16}; R^{16} is fluorine atom, cyano group or a lower alkyl having 1-5 carbon atoms and at least one fluorine atom, forms $-CF_2-O-CF_2-$ with R^{15}, or forms $-CF_2-O-CF_2-$ with R^{17}; R^{17} is hydrogen atom, cyano group, fluorine atom or a lower alkyl having 1-5 carbon atoms and at least one fluorine atom, or forms $-CF_2-O-CF_2-$ with R^{16}; and R^{18} is hydrogen atom or a lower alkyl having 1-5 carbon atoms and at least one fluorine atom when R^{17} is hydrogen atom, and R^{18} is hydrogen atom when R^{17} is not hydrogen atom,



.... (6)

wherein R^{19} is fluorine atom, cyano group, or a lower alkyl having 1-5 carbon atoms and at least one fluorine atom; k is an integer of 1-4, m is an integer of 1-3, and all of the R^{19} groups may be the same or different from each other,

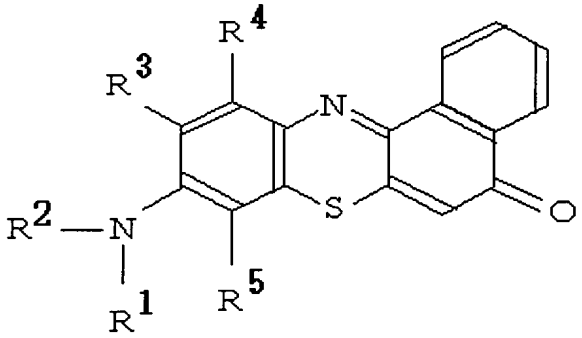


. . . . (7)

wherein R^{19} is fluorine atom, cyano group, or a lower alkyl having 1-5 carbon atoms and at least one fluorine atom; k is an integer of 1-4, m is an integer of 1-3, and all of the R^{19} groups may be the same or different from each other.

Claims 11-27 (Canceled).

28. (Currently Amended) A Nile red luminescent compound emitting red light that has a structure represented by formula (10):



. . . (10)

wherein R^1 is hydrogen atom or an alkyl group, or forms $-CH_2CH_2-CR^6R^7-$ together with R^3 (wherein the carbon atom of $-CR^6R^7-$ moiety is bound to the benzene moiety of the formula (10), each of R^6 and R^7 is hydrogen atom or an alkyl group, and R^6 and R^7 may be the same or different from each other); R^2 is hydrogen atom or an alkyl group, or forms $-CH_2CH_2-CR^8R^9-$ together with R^5 (wherein the carbon atom of $-CR^8R^9-$ moiety is bound to the benzene moiety of the formula (10), each of R^8 and R^9 is hydrogen atom or an alkyl group, and R^8 and R^9 may be the same or different from each other); R^3 is hydrogen atom, forms $-CH_2CH_2-CR^6R^7-$ with R^1, or forms with R^4 a naphthalene ring including as a part thereof the benzene moiety of the formula

(10); R^4 is hydrogen atom, or forms with R^3 a naphthalene ring including as a part thereof the benzene moiety of the formula (10); and R^5 is hydrogen atom, or forms $-CH_2CH_2-CR^8R^9-$ with R^2,

wherein said Nile red luminescent compound ~~is in an energized state to emit~~ emits red light upon an application of electric energy.